IN THE SPECIFICATION:

Page 1, line 5, insert the following:

BACKGROUND OF THE INVENTION

Page 4, before line 1, insert the following:

SUMMARY OF THE INVENTION

Page 7, line 11, insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 8, line 14, insert the following:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Page 24, please amend the paragraph starting at line 27 as follows:

For the plots illustrated in Figures 15 to [[8]] 24, the imaging device was in standby mode and no readout or reset was performed. The signal corresponding to pulse 178 of Figure 7(d) is also marked 178 in Figures 15 to 24. As expected, the amplitude of the pulses 178 is higher for the 100/1000 Hertz configuration, compared to the 200/2000 Hertz configuration. This result should be expected from the function of a high pass filter. Figure 15 has no object, and the oscilloscope trace clearly shows the rising and falling flank correpsonding to the bias current. As the object absorbs and increases only the pulse corresponding to the falling edge of the bias current exceeds the noise flaw. This progression is shown in Figures 15 and 19 for no target and 200/2000 Hertz and 100/1000 Hertz filter configurations respectively. Figures 16 and 20 for the dental phantom target indicate that there has been a reduction in the flanks of the bias current, and Figures 17 and 21 and Figures 18 and 22 respectively for a 4 mm and 12 mm thick Al target show continued gradual reduction in the bias current flanks as the absorption level of the target increases.